

## Advanced Excel Formulas & Functions

Term	Definition
<b>AND Function</b>	A logical function that returns TRUE only if all conditions are met.
<b>CHOOSE Function</b>	Returns a value from a list of values based on a given position index.
<b>Data Table</b>	A tool used for sensitivity analysis in Excel, allowing simultaneous changes in two variables.
<b>Dynamic Chart</b>	A chart that automatically updates when data range or number of periods change, using OFFSET and COUNT functions.
<b>Goal Seek</b>	A What-If Analysis tool that finds the input needed to achieve a specific goal or output.
<b>IFERROR Function</b>	Returns a specified value if a formula returns an error; otherwise, returns the formula result.
<b>INDEX MATCH MATCH</b>	A combination of functions used to retrieve data dynamically based on row and column lookup.
<b>INDIRECT Function</b>	Converts a text string into a cell reference, allowing for dynamic formula referencing.
<b>MATCH Function</b>	Returns the relative position of an item in an array that matches a specified value.
<b>Macro</b>	A recorded sequence of Excel actions that automates repetitive tasks and formatting.
<b>Name Manager</b>	A feature in Excel that allows users to define and manage named ranges for formulas and charts.

<b>OFFSET Function</b>	Returns a cell or range that is a specified number of rows and columns from a starting cell.
<b>Pivot Table</b>	An Excel feature used to summarize, analyze, and explore large sets of data using a drag-and-drop interface.
<b>Scenario Analysis</b>	A process that evaluates possible future events by considering alternative outcomes (base, upside, downside cases).
<b>Slicer</b>	A visual filtering tool for Pivot Tables that allows users to select and deselect items easily.
<b>Table of Contents (TOC)</b>	A navigable summary of worksheet names using dynamic formulas like RIGHT, FIND, LEN, and CELL.
<b>Timeline</b>	An interactive control used with Pivot Tables for filtering data across a time-based axis.
<b>VLOOKUP Function</b>	Searches for a value in the first column of a range and returns a value in the same row from another column.
<b>XIRR Function</b>	Calculates the internal rate of return for a schedule of cash flows that are not necessarily periodic.
<b>XNPV Function</b>	Calculates the net present value for a schedule of cash flows that are irregularly spaced over time.